

**Table 1: General socio-economic indicators**

	Total area within TRB	Population	Employees total	GDP	GDP per capita
	(km <sup>2</sup> )	(inhabitants)	(number)	(million EUR)	(EUR per capita)
Hungary	45,219	4,048,562	1,382,764	22,095	5,459
Romania	72,620	5,208,000	2,499,840	21,132	4,058
Serbia	10,853	964,574	392,751	2,170	2,250
Slovak Republic	15,247	1,670,000	689,238	8,000	4,790
Ukraine	12,732	1,248,000	247400 (551000)	70,381	857 (1494)
<b>Total for the Tisza Basin</b>	<b>156,671</b>	<b>13,139,136</b>	<b>4,964,593</b>		

**Approach:** In case of difficulty to estimate GDP strictly to Tisza area, to use average GDP on the Regionals scales which covers the Tisza Riv

**Comments:**

Hungary: For GDP: Data for 2004, Exchange rate 251,68 HUF/EURO average yearly exchange rate 2004 of Hungarian National Bank

Romania: Number of Employees calculated 0.48% of population

Slovak Republic: Number of Employees calculated 0.31% of Tisza area rate of the country

Ukraine: GDP per capita: 857 (1494) first figure- Tisza basin (Zakarpattia oblast) , second- average for whole Ukraine

Ukraine: GDP for whole country

Ukraine: 247400 (551000). first number- official number of employees, second- estimated number including village one-man or family business. Both f

**Table 2: Production of main economic sectors**

	Agriculture		Industry	
	Gross value added	Share of GVA	Gross value added	Share of GVA
	(million EUR)	(%)	(million EUR)	(%)
Hungary	1274	7	4879	27
Romania	2006	10	5579	28
Serbia	264	13	927	24
Slovak Republic	315	20	2580	20
Ukraine	173,2	18	188,8	19
<b>Total for Tisza Sub Basin</b>	<b>3858.96</b>		<b>13964.89</b>	

**Comments:**

Approach: In case of difficulty to estimate GDP strictly to Tisza area, to use average GDP on the Regional scales which covers the Tisza River Basin. Hydropower not included.

Hungary: data for 2004, Exchange rate 251,68 average yearly exchange rate 2004 of Hungarian National Bank. Data for 2004: 320735million HUF. Estimated data.

Ukraine: data for Tisza basin (Zakarpatska oblast)

	Agriculture Gross Value Added (GVA) million EUR	Industry Gross Value Added (GVA) million EUR
Hungary	1274	4879
Romania	2006	5579
Serbia	264	927
Slovak Republic	315	2580
Ukraine	173	188



**Table 3: Water abstraction/supply**

	Total water abstraction	Total invoiced water used	of which:		Water abstraction per sectors			
			All public water supply	All self-supplied water (large users)	Households	Industry	Agriculture	Others (services)
	(million m³)	(million m³)	(million m³)	(million m³)	(m³/inhabitant)	(m³/1000 EUR GVA)	(m³/1000 EUR GVA)	(m³/1000 EUR GVA)
Hungary	1356.3	1356.3	261.3	1094.9	31.5	569.2	72.4	5.9
Romania	2102.0	1,225	267	26.70	51.26	232.57	34.14	
Serbia	210.0	169	94	85	78	114	7	15
Slovak Republic	349.4	322	46	276	52	296	2	
Ukraine	58.9	n/a	34.80	24.09	27.88	4.98	17.52	1.79
<b>Total for the Tisza S</b>	4076.5							

\* water used for hydropower is not included in industry

**Comments:**

Hungary: All water public water supply: of which invoiced: 167,3 million m3

**Table 4: Drinking water supply, wastewater services and connection rates for centralized**

	Water supply production					Total collected wastewater	Population connected to public sewerage system	Population connected to waste water treatment plant	Population connected to public water supply
	Total public water supply	Household s	Industry	Agriculture	Other sectors (services)				
	(million m³)	(million m³)	(million m³)	(million m³)	(million m³)				
Hungary	167.3	117.0	17.6	1.2	31.4	79.76	57.98	57.98	98.27
Romania	267	187			80	200	46.32	42.39	61.9
Serbia	181	75	6.10		19.2	68	40	28.3	90
Slovak Republic	46	32			14	98	55.7	53.2	78.3
Ukraine	43.82	22.53	2.81	17.37	1.11	53.2	41.7	26.4	51.3
<b>Total for Tisza Sub</b>	<b>705.1</b>	<b>433.6</b>	<b>120.5309</b>	<b>18.5952</b>	<b>51.7007</b>	<b>498.96</b>			

Note:

There are some areas where the population does not connect to the public sewerage and WWTP, have individual wastewater treatment, which is

**Comments:**

Hungary: Invoiced water, Excluding water losses and internal use.

Hungary: Population connected to public sewerage system: Referring to the full population of the Tisza RB. (Ref. to the full population of HU this figure is 17,01%.)

**Table 5: Wastewater treatment plants**

	Wastewater treatment plants		WWTP with primary treatment		WWTP with secondary treatment		WWTP with tertiary treatment	
	Total number	Total capacity	Total number	Total capacity	Total number	Total capacity	Total number	Total capacity
	(number)	(1000 p.e.)	(number)	(1000 p.e.)	(number)	(1000 p.e.)	(number)	(1000 p.e.)
Hungary	180.00		11.00		119.00		50.00	
Romania	100.00		44.00		54.00		2.00	
Serbia	9.00				9.00			
Slovak Republic	62.00		6.00		46.00		10.00	
Ukraine	96.00		14.00		75.00		7.00	
<b>Total for the Tisza Sub Basin</b>	<b>447</b>		<b>75</b>		<b>303</b>		<b>69</b>	

**Approach:** The assessment considers the reporting on urban waste water treatment development in the DRB (agglomerations  $\geq 2000$  p.e.). Total capacity will be included, where it is available by September 2010

UA: WWTP with primary treatment- fruit/vegetable canning factory, with tertiary treatment- galvanics factory-not in operation now

**Table 6: Population connected to wastewater treatment plants**

	Total population connected to treatment plant	Population connected to WWTP with primary treatment	Population connected to WWTP with secondary treatment	Population connected to WWTP with tertiary treatment	Population not connected
	(%)	(%)	(%)	(%)	(%)
Hungary	57.98	5.52	30.7	21.76	42.02
Romania	42.70	3.68	33.56	5.46	57.30
Serbia	14				86
Slovak Republic	68.3	1	49	50	17
Ukraine	26.44	0	26.44	0	73.6
<b>Total for the Tisza Sub Basin</b>					

Note:

In some cases the population which is not connected to public sewer systems might have the individual wastewater treatment in place.

**Comments:**

Hungary: data for 2005

**Table 7: National trends in water demand projected in 2015**

	Population	Total water demand	Future demand of water abstraction per sector				Projected specific drinking water consumption per capita
			Households	Industry	Agriculture	Other sector (services)	
	(inhabitants)	(1000 m <sup>3</sup> )	(1000 m <sup>3</sup> )	(1000 m <sup>3</sup> )	(1000 m <sup>3</sup> )	(1000 m <sup>3</sup> )	(l/capita/day)
Hungary	3,934,281	1,254,480	142,566	507,389	497,685	87,158	103.2
Romania	5,260,080	1,915,000	421,000	1,300,000	194,000	-	200
Serbia	991,924	287000	73,000	177,000		37,000	200
Slovak Republic	1,705,524	709,606	89,950	600,345	12,311		138.8
Ukraine	1,000,000	47,500	30,000	4,000	12,500	1,000	82
<b>Total for Tisza Sub</b>	<b>12,891,809</b>	<b>4,213,586</b>	<b>756,516</b>	<b>2,588,734</b>	<b>716,496</b>	<b>125,158</b>	

## Notes:

The water demand projection is calculated based on different national methodologies, which considers minimum, average and maximum scenarios.

Not to include water demand for hydropower plant. Only water demand for thermo power plant for cooling.